F. A. PROJ. NO. BRZ-1328(6)

16+50 17+00 17+50

1370 1365 1360 1355 1350 1345 1340 1335

SPAN A

FILL FACE @ END BENT No. 1
STA. 16+70.88 -L-
GRADE POINT EL. 1356.08

1'-7" MIN. BERM
NORMAL TO CAP

1'-6" TO LIMITS OF
UNCLASSFIED STRUCTURE
EXCAVATION

BEGIN FRONT SLOPE
STA. 16+61.89 -L-
GRADE POINT EL. 1356.11

FIX.

LOW CHORD
EL. 1352.13

1½ : 1 SLOPE
NORMAL TO CAP
(TYP.)

EL. 1351.0±

EL. 1350.0±

EL. 1351.0±

2'-0"
(TYP.)

EL. 1344.0±

Q100
EL. 1350.79

NORMAL WATER
SURFACE
EL. 1344.50
(8-8-09)

EL. 1345.0±

EL. 1343.0±

EL. 1343.0±

EXCAVATE TO APPROX.
EL. 1348.0± (GRADE
TO DRAIN)

END BENT No. 1

FILL FACE @ END BENT No. 2
STA. 17+73.13-L-
GRADE POINT EL. 1355.77

BEGIN FRONT SLOPE
STA. 17+82.01-L-
GRADE POINT EL. 1355.74

FIX.

LOW CHORD
EL. 1351.83

EL. 1346.0±

APPROX. NATURAL
GROUND LINE

NATURAL STONE
RIP RAP CLASS 2
2'-0" THICK (TYP.)

1'-0"
(TYP.)

EL. 1348.0±

HP 14 X 73
STEEL PILES
(TYP.)

END BENT No. 2

(-)0.3002% (-)3.3778%

PI = 18+40.00
EL = 1355.57
L = 100'

GRADE DATA

UNCLASSFIED STRUCTURE
EXCAVATION

SECTION ALONG -L-

EXISTING STRUCTURE
(TYP.)

1'-0" MIN. EARTH BERM
EL. 1347.94

1'-0" MIN. EARTH BERM
EL. 1347.65

MITCHELL RIVER

NATURAL STONE RIP
RAP CLASS 2 (TYP.)

STA. 16+61.89 -L-
BEGIN FRONT SLOPE

STA. 16+59.88 -L-
BEGIN APPROACH SLAB

TO SR 1325

W.P. #1
STA. 16+70.88 -L-

FILL FACE @
END BENT No. 1

-L-

BRIDGE ID.
STA. 17+22.00 -L-

90°-00'-00"
(TYP.)

FILL FACE @
END BENT No. 2

BEGIN FRONT SLOPE
STA. 17+82.01 -L-

TO SR 1330

END APPROACH SLAB
STA. 17+84.13 -L-

W.P. #2
STA. 17+73.13 -L-

DECK DRAIN PAD
CLASS B RIP RAP
(ROADWAY DETAIL
& PAY ITEM)

1'-0" MIN. EARTH BERM
EL. 1346.95

1'-0" MIN. EARTH BERM
EL. 1346.66

51'-1½" 51'-1½"

102'-3" (FILL FACE @ END BENT No. 1 TO FILL FACE @ END BENT No. 2)

PLAN

(PILES NOT SHOWN FOR CLARITY)

I HEREBY CERTIFY THESE PLANS
ARE THE AS-BUILT PLANS

NORTH CAROLINA PROFESSIONAL SEAL 14855 ENGINEER DOUGLAS R. CALHOUN
Douglas R. Calhoun
12/21/2015

NORTH CAROLINA PROFESSIONAL SEAL 17230 ENGINEER WAEL S. ARAFAT
Wael Arafat
12/21/2015

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

PROJECT NO. B-5173

SURRY COUNTY

STATION: 17+22.00 -L-

SHEET 1 OF 3 REPLACES BRIDGE No. 39

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING FOR BRIDGE OVER MITCHELL RIVER ON SR 1328 BETWEEN SR 1325 AND SR 1330

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-1
1			3			TOTAL SHEETS
2			4			18

DRAWN BY : H. T. BARBOUR DATE : 8-20-15
CHECKED BY : V. X. NGUYEN DATE : 9-15
DESIGN ENGINEER OF RECORD: A. M. LEE DATE : 9-15

21-DEC-2015 08:58
I:\Structures\FINAL-Plans\B5173_SD_GD.dgn
warafat